

degrees rearward from the plane, whereby when the shaft is rotated at high speed, the orientation of each major tooth face is adapted to strike more than a majority of the feed material particles that strike the shaft extension causing them to be substantially all driven to a side of the shaft extension opposite the leading edge;

(c) each shaft extension further comprising a top extension surface extending rearward from the direction of shaft rotation, the top extension surface being a solid surface defined by the boundaries of:

- D2*
- i) a top edge of the major tooth face, that top edge comprising a forwardmost point and a rearward-most point; and
 - ii) a line parallel to the shaft axis from the rearward-most point to the intersection with a line directly rearward from the forwardmost point; and

(d) a door located substantially spaced apart from and between the ends of the mixing chamber and along a bottom surface of the mixing chamber, the door being adapted to open after the feed material is mostly melted and mixed together so that the feed material can drop from the mixing chamber.

REMARKS

A Notice of Non-Compliant Amendment dated 2/26/03 required a "clean version of the amended claims. Those clean versions are submitted hereunder.

Respectfully submitted,

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